BAUER INDUSTRIAL EQUIPMENT LTD.

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**Celebrating quality products
at competitive prices since 1973!**

newall **MICROCUT**
TRAK CNC

TRAK Model TRL-30120RX
Heavy Duty, High Precision CNC Lathe

FEATURES

- Perfect blend and flexibility of a manual machine with the speed and precision of a CNC.
- Control can be programmed easily by any machinist without need of a trained CNC programmer.
- 6.3" spindle bore and large working capacity.
- Extra capacity 33" swing over bedway and 43.5" in the 15.5" gap.
- High precision ground ballscrews on all axes.
- Inverter driven 30HP spindle motor.
- Allows for two chuck (front & rear) operation.
- Two spindle speed ranges for maximum torque at lower RPMs with dynamic spindle motor brake.
- Electronically controlled spindle speed with Constant Surface Speed (CSS) or Inch Per Revolution operation.
- Powerful, brushless servo motors for rapid movement up to 400 IPM and ultra fine 0.000003" encoder resolution.
- Full sized, 2-speed handwheels for easy manual operation.
- 4-way joystick for easy rapid in all directions.
- Meehanite cast base with Turcite coated hardened & ground ways.
- Chuck guard and sliding door for operator safety.
- Removable chip tray for easy machine cleaning.

CNC CONTROL FEATURES

- The ProtoTRAK RLX is the world's most popular and powerful CNC control for small lot turning.
- Blends advanced technology with a natural user interface that is the easiest control to learn.
- Touchscreen with clear, uncluttered display allows you to zoom, pan, and rotate your drawings and 3D models.
- No codes needed as logical operation with few input keys and prompts are in understandable, plain language.
- Set-up your machining style through completely customizable defaults that will autofill for even faster programming.
- Powerful software automatically calculates missing data as you program.
- Manual operation still allows automatic taper and radius/fillet cutting by combining X&Z axes onto one handwheel.
- Fine-tune programmed feedrate and spindle speed on the fly during operation for perfect cut chips.
- Precise tool setting through graphics and prompts then save tool offsets in a library for faster set-up.
- Choose to start CNC run or use TRAKing which allows you to control the run by turning a handwheel. As you crank the machine starts cutting. Turn the handwheel forward, reverse or pause and the machine will move forward, backward or pause through the programmed run. Take control or give back control at any point during the CNC run.
- Always on-screen graphic shows what is being programmed with each step.
- Simply define your part geometry and stock dimensions and the toolpath will automatically be generated.
- Shows video toolpath of how material will be cut prior to start of CNC run.
- Math helps and calculator will enter calculation directly into program.
- Program run-time clock shows machining time of programmed part.
- During CNC run a countdown clock tracks time to next tool change.
- Windows-based file manager for easy program loading/saving on five USB ports.
- Built-in programming assistance through diagrams, screen-shots and videos (with supplied headphones) that can all be viewed during programming.
- Opt. converter for inputting DXF/DWG files or outputting CAM files.
- Opt. offline software for programming away from machine control.
- Supports MTConnect protocols, components, and data tags.

SPECIFICATIONS

Swing over Bed	33"
Swing over Cross Slide	21.2"
Swing over Gap	43.5"
Length of Gap	15.5"
Distance Between Centers	118"
Cross Slide Travel	20.5"
Tool Section (max.)	1.5"
Width of Bed	19.7"
Spindle Nose	A2-11
Spindle Bore	6.3"
Spindle Taper	Non-MT taper
Spindle Speed Ranges (infinitely variable)	L: 20-415, H: 40-1300 RPM
Tailstock - quill travel / diameter / taper	8" / 4.13" / MT#6
Rapid Feed (max.)	Z: 400; X: 200 IPM
Main Motor	30 HP
Electrics	480V, 3Ph, 62A
Net Weight	18,920 lbs.
Dimensions (LxWxH)	213" x 87" x 80"

ACCESSORIES

Automatic oil lubrication	Coolant system
Three (3) work lights	Limit switches (X & Z)
Toolbox with tools and manuals	Electronic Handwheels (TRAKing)
Coolant Pump	3-jaw Chuck (20")
Rear Chuck Adapter	Rear Chuck Adapter w/16" 3-jaw Chuck
Quick Change Toolpost Kit (1¼")	Face Plate (30")
Roller Steady Rest	Follow Rest (7.9")
Remote Stop / Go Switch	

SOFTWARE

Auxiliary Functions (programmable coolant)	Input DXF/DWG files
Save as CAM files	Convert to Parasolid 3D
Offline Software	

Please feel free to contact us for pricing or if you have any questions.

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